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Heat and chemical resistant conjugate fibre - has polyester core and sheath comprising polymer based on polyphenylene sulphide

Patent Assignee: KURARAY CO LTD (KURS)

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 59204920	A	19841120	JP 8377961	A	19830502	198501 B
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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 59204920	A		3		

Abstract (Basic): JP 59204920 A

The conjugate fibre has (A) a core component consisting of polyester and (B) a sheath component consisting of a polymer in which polyphenylene sulphide accounts for at least 80 wt.%, with the ratio of (B) to (A+B) ranging from 0.05-0.4 (0.1-0.3) in the cross section of the fibre.

The polyester for (A) is made from aromatic or aliphatic dicarboxylic acid or its ester and diol cpds. It may contain a comonomer such as polyalkylene glycol and sulpho-isophthalic acid and less than 10 wt.% of known additives. Pref. is a polyester in which polyethylene terephthalate accounts for at least 95 wt.% and which has a limiting viscosity number of 0.05-1.0 dl/g. Pref. (B) is prepd. by blending less than 20% of polyester.

ADVANTAGE - The conjugate fibre has excellent resistance to heat and chemicals and retains characteristics inherent to polyester.

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